

Claims

1. A process for the treatment of polyazole films, characterized in that a film is passed at least twice through a trough filled with a liquid, with the film being unrolled from a spool and rolled up on a further spool and the direction of travel of the film is changed during the treatment by altering the direction of rotation of the spools.
2. The process as claimed in claim 1, characterized in that the liquid in the trough is changed after the first treatment.
3. The process as claimed in claim 1 or 2, characterized in that liquid adheres to the film after the first treatment.
4. The process as claimed in claim 3, characterized in that at least 1 g/m² of liquid adheres to the film.
5. The process as claimed in one or more of the preceding claims, characterized in that the liquid comprises water.
6. The process as claimed in one or more of the preceding claims, characterized in that the liquid comprises acid, monomers containing vinylsulfonic acid and/or monomers containing vinylphosphonic acid groups.
7. The process as claimed in claim 6, characterized in that the acid is phosphoric acid and the monomer containing vinylsulfonic acid groups is vinylsulfonic acid and the monomer containing vinylphosphonic acid groups is vinylphosphonic acid.
8. The process as claimed in one or more of the preceding claims, characterized in that the film is passed through the bath of liquid at least 10 times.
9. The process as claimed in one or more of the preceding claims, characterized in that the film is passed through the bath of liquid at a speed of from 0.5 to 100 m/min.

10. The process as claimed in one or more of the preceding claims, characterized in that the film is conveyed with a drawback force per unit width of the film in the range from 0.5 to 200 N/m.

11. The process as claimed in one or more of the preceding claims, characterized in that the film is treated for from 15 minutes to 3 hours.

12. The process as claimed in one or more of the preceding claims, characterized in that a jigger is used for the treatment of polyazole films.